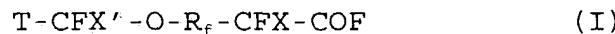


A PROCESS FOR THE PREPARATION OF PERFLUOROPOLYETHERS  
ACYL-FLUORIDE ENDED BY REDUCTION OF THE CORRESPONDING  
PEROXIDIC PERFLUOROPOLYETHERS

ABSTRACT

A process for the preparation of perfluoropolyethers of formula:



wherein:

$T = COF, F, C_1-C_3$  perfluoroalkyl;

$X, X' = -F, -CF_3$ ;

$R_f = -(C_2F_4O)_m(CF_2CF(CF_3)O)_n(CF_2O)_p(CF(CF_3)O)_q-$ , the sum  $n+m+p+q$  ranges from 2 to 200,

by reduction with hydrogen of the corresponding peroxidic perfluoropolyethers, in the presence of a catalyst formed by metals of the VIII group supported on metal fluorides, at a temperture from 20°C to 140°C, and at a pressure between 1 and 50 atm.